

CLAIMS

1. (currently amended) An assembled frame constructed from a generally flat blank, said frame comprising:

(a) at least two jack panels;

(b) at least three ribs, said ribs formed by folding said blank at predetermined locations and locked into place by folding lock assemblies; and

(c) a first edge panel and a second edge panel defined on a first end and a second end, respectively, of said frame, each of said first edge panel and said second edge panel comprising at least two jack passages defined therein and comprising an edge flap, wherein each of said first and second edge panels folds over to form an outer peripheral structure and said edge flap folds over toward said at least three ribs.

2. (original) The assembled frame of claim 1, wherein said folding lock assemblies comprise wing tabs to secure said ribs into place.

3. (original) The assembled frame of claim 1, comprising two jack panels and four ribs.

4. (currently amended) A force resisting corrugated assembly foldably constructed from a generally flat blank, the blank having top and bottom ends and sides upon folding, said assembly comprising:

(a) a first frame, said first frame comprising at least two jack panels; at least three ribs, said ribs formed by folding said blank at predetermined locations and locked into place by folding lock assemblies; and first and second edge panels defined on first and second ends, respectively, of said first frame, each of said first edge panel and said second edge panel comprising at least two jack passages defined therein and comprising an edge flap, wherein each of said first and second edge panels folds over to form an outer peripheral structure and said edge flap folds over toward said at least three ribs; and

(b) a second frame, said second frame comprising at least two jack panels; at least three ribs, said ribs formed by folding said blank at predetermined locations and locked into place by folding lock assemblies; and first and second edge panels defined on first and second ends, respectively, of said second frame, each of said first edge panel and said second edge panel comprising at least two jack passages defined therein and comprising an edge flap, wherein each of said first and second edge panels folds over to form an outer peripheral structure and said edge flap folds over toward said at least three ribs;

wherein said ribs of first and second frames comprise locking slots;

wherein said first and second frames are brought together in a perpendicular fashion such that the ribs of the first frame lock into place with the ribs of the second frame;

wherein said edge flap of said first frame is secured to said second frame and wherein said edge flap of said second frame is secured to said first frame.

5. (original) The corrugated assembly of claim 4, wherein said edge panels of said first and second frames are folded over and secured into place, before, during or after the ribs of said first and second frames are locked into place.

6. (original) The corrugated assembly of claim 5, wherein said first and second frames comprise tab locks defined near the periphery of said first and second frames; and edge panels comprise tab holes; wherein said tab locks and said tab holes are positioned such that tab locks are pushed through tab holes upon edge panels being secured into place, whereby said tab locks increase the holding strength of said edge panels.

7. (cancelled)

8. (cancelled)

9. (currently amended) The assembly of claim-3 4, further comprising a generally flat corrugated piece of material comprising a plurality of tab locks defined on said piece of material and configured to attach to the corrugated assembly of claim-3 4.

10. (currently amended) The assembly of claim-3 4, further comprising an attachable tray configured for attachment to the corrugated assembly of claim-3 4, wherein said tray is assembled from a generally flat blank and comprises a plurality of tab locks for attachment to said corrugated assembly.

11. (previously presented) The attachable tray of claim 10, wherein said tray is rectangular and comprises a wall on all four sides upon being assembled.

12. (cancelled)

13. (original) The corrugated assembly of claim 1, wherein the corrugated assembly is coated with a water-resistant coating.

14. (currently amended) The corrugated assembly of claim-3 4, wherein said corrugated assembly is further stabilized by application of securing means.

15. (previously presented) The corrugated assembly of claim 14, wherein said ribs of first frame and the ribs of said second frame are further secured together by application of an adhesive.

16. (currently amended) The corrugated assembly of claim-3 4, wherein the corrugated assembly is coated with a water resistant coating.

17. (previously presented) The corrugated assembly of claim 16, wherein said water resistant coating is a water-dispersible polymer suspension.

18. (currently amended) A method of constructing a force-resistance corrugated assembly comprising

(a) obtaining a first frame, said first frame comprising at least two jack panels; at least three ribs comprising locking slots, said ribs formed by folding said blank at predetermined locations and locked into place by folding lock assemblies; and first and second edge panels defined on first and second ends, respectively, of said first frame, each of said first edge panel and said second edge panel comprising at least two jack passages defined therein and comprising an edge flap, wherein each of said first and second edge panels folds over to form an outer peripheral structure and said edge flap folds over toward said at least three ribs; and

(b) obtaining a second frame, said second frame comprising at least two jack panels; at least three ribs comprising locking slots, said ribs formed by folding said blank at predetermined locations and locked into place by folding lock assemblies; and first and second edge panels defined on first and second ends, respectively, of said second frame, each of said first edge panel and said second edge panel comprising at least two jack passages defined therein and comprising an edge flap, wherein each of said first and second edge panels folds over to form an outer peripheral structure and said edge flap folds over toward said at least three ribs;

(c) interlocking said first and second frames by bringing together said first and second frames in a perpendicular fashion such that the ribs of the first frame lock into place with the ribs of the second frame;

(d) securing said edge flap of said first frame to said second frame; and

(e) securing said edge flap of said second frame to said first frame.

19. (previously presented) A method of locking a lock assembly to lock the orientation of an upwardly extending rib foldably constructed from a flat column of a blank, said lock assembly comprising first and second panels on either side of the flat column, and a flap extending from one of said first or second panels, wherein said flap comprises at least two wing tabs on opposing sides of said flap, comprising folding said first and second panels toward each other, such that the column folds into the upwardly extending rib, the rib having rib sides with side edges, and the flap folds over said first

or second panel; and raising said wing tabs before said folding step and pressing down said wing tabs after said folding step to secure rib into place.